Docket No. 1000-1216

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450 8 U.S. PT /748631

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a CO	NTI	NUA	TION AP	PLICATION,	chec	k appropriate box	and supply	the requisite information:		
□ Co	nti	nuat	ion 🗆	Divisional	X	Continuation-ir	n-part (CIP)	of prior application No.:	10/095,273	
	nti	nuat	ion 🗆	Divisional	×	Continuation-ir	n-part (CIP)	of prior application No.:	10/162,524	
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nclose	ed a	re:								
						Application	Elements			
1.	X	Filin	g fee as	calculated and	d trar	smitted as descr	ibed below			
2.	×	Spe	cification	having		100	pages and ir	ncluding the following:		
2 M Descriptive Title of the Invention										
 a. Descriptive Little of the Invention b. Cross References to Related Applications (if applicable) c. Statement Regarding Federally-sponsored Research/Development (if applicable) 										
d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix										
	e.	×	Background of the Invention							
		×	Brief Summary of the Invention							
g. 🗵 Brief Description of the Drawings (if filed)										
	h.			Detailed Description						
		×		•	l Belo	ow				
		X	•	Claim(s) as Classified Below Abstract of the Disclosure						

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Total Pages in this Submission 125

Application Elements (Continued) ☑ Drawing(s) (when necessary as prescribed by 35 USC 113) a. 🛛 Formal **Number of Sheets** Informal Number of Sheets b. 🔲 ☑ Oath or Declaration a. Newly executed (original or copy) ☐ Unexecuted b. 🗆 Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only) c. 🛛 With Power of Attorney ☐ Without Power of Attorney DELETION OF INVENTOR(S) d. 🔲 Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. CD ROM or CD-R in duplicate, large table or Computer Program (Appendix) ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included) a. Computer Readable Form (CFR) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. 🔲 Paper c. Statement(s) Verifying Identical Paper and Computer Readable Copy **Accompanying Application Parts** Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(B) Statement (when there is an assignee) ☐ English Translation Document (if applicable) 12. Information Disclosure Statement/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Certificate of Mailing ☐ First Class ☑ Express Mail (Specify Label No.): EU653251421US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Total Pages in this Submission 125

		Accompanying Application Parts (Continued)
17.	X	Applicant claims small entity status. See 37 CFR 1.27.
	T	☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:
		(optional) chair Entity statement (c) openity statistics of statements cashinated
1Ω		Additional Englacures (places identify helpw):
10.	ч	Additional Enclosures (please identify below):
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
19.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Total Pages in this Submission 125

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CLAIMS AS FILED Rate Fee #Filed #Allowed #Extra For \$0.00 \$9.00 - 20 = 0 **Total Claims** х \$0.00 - 3 = 0 \$43.00 Indep. Claims \$0.00 Multiple Dependent Claims (check if applicable) \$385.00 **BASIC FEE** \$0.00 OTHER FEE (specify purpose) **TOTAL FILING FEE** \$385.00 A check in the amount of \$385.00 to cover the filing fee is enclosed. ☐ The Director is hereby authorized to charge and credit Deposit Account No. as described below. as filing fee. Charge the amount of ☐ Credit any overpayment. ☐ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: December 30, 2003 Kermit Lopez

CC:

Registration No. 41,953 ORTIZ & LOPEZ, PLLC

Albuquerque, NM 87196-4484

P.O. Box 4484

CERTIFICATE OF I	MAILING BY "EXPRESS I	MAIL" (37 CFR 1.10)	Docket No. 1000-1216					
Serial No. Not Yet Assigned	Filing Date Not Yet Assigned	Examiner Not Yet Assigned	Group Art Unit Not Yet Assigned					
	ON OF HEBBIAN AND ANTI-H NEURAL NETWORKS	EBBIAN LEARNING TO NANOT	ECHNOLOGY-BASED					
I hereby certify that the	e following correspondence:							
United States Patent Application								
L	(Identify type of correspondence)							
is being deposited with	is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37							
CFR 1.10 in an envelo	pe addressed to: Commissioner	for Patents, P.O. Box 1450, Alexa	andria, VA 22313-1450 on					
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makenda Pitanoi 196	December 30, 2003 (Date)							
		Kermit Lopez	;					
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